



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
14.02.2007 Bulletin 2007/07

(51) Int Cl.:
B23D 49/16 (2006.01)

(43) Date of publication A2:
03.01.2007 Bulletin 2007/01

(21) Application number: **06115489.4**

(22) Date of filing: **14.06.2006**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR MK YU

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(30) Priority: **27.06.2005 US 167459**

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(54) **Adjustable shoe assembly for a reciprocating saw**

(57) A reciprocating saw (10) includes a locking mechanism for a shoe (14) of the reciprocating saw. The mechanism includes a lever (22) mounted on the saw body movable to a first position where the saw blade (12) is clamped in place. It also includes a lock pin with a body, a reduced circumference section, and a pin shoulder ad-

jacent the reduced circumference section. The pin has a locked position where the pin shoulder abuts the shoe shoulder whereby the pin locks the shoe in place and an unlocked position where the shoe shoulder may translate through the clearance defined by the reduced circumference section. The lever urges the pin toward the locked position when the lever is in the first position.

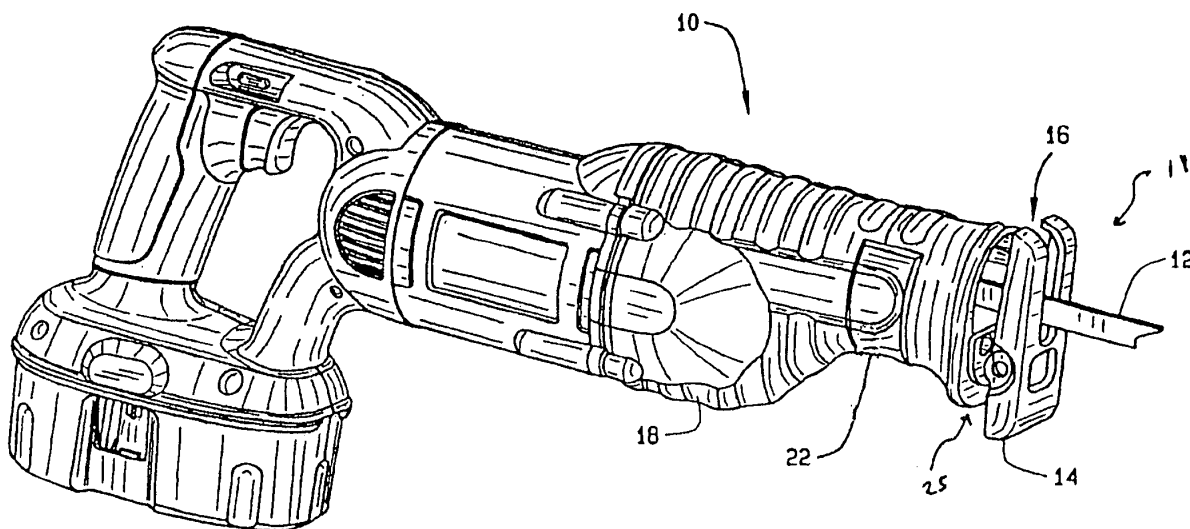


FIG. 2



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EUROPEAN SEARCH REPORT

Application Number
EP 06 11 5489

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2004/049928 A1 (PHILLIPS ALAN GENE ET AL) 18 March 2004 (2004-03-18) * paragraph [0082] - paragraph [0090]; figures 16-23 *	1,18	INV. B23D49/16
D,A	US 2002/014014 A1 (DASSOULAS STEPHEN C ET AL) 7 February 2002 (2002-02-07) * column 12, line 46 - column 13, line 40; figures 17-22 *	1,18	
			TECHNICAL FIELDS SEARCHED (IPC)
			B23D
<p>The present search report has been drawn up for all claims</p>			
Place of search		Date of completion of the search	Examiner
Munich		19 September 2006	Frisch, Ulrich
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

2
EPO FORM 1503 03.82 (P04C01)

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-9, 18-24



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**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
EP 06 11 5489

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-9,18-24

A reciprocating saw with an adjustable shoe assembly wherein a common lever is provided to clamp the saw blade and lock the shoe

2. claims: 10-17

A reciprocating saw with an adjustable shoe assembly wherein a detent groove and a cooperating detent are provided in the locking pin and the housing for locking the shoe

3. claims: 25,26

A reciprocating saw with an adjustable shoe assembly comprising a support plate, a support post and a locking member

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 06 11 5489

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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19-09-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004049928 A1	18-03-2004	US 2003110645 A1	19-06-2003
		US 2003110646 A1	19-06-2003

US 2002014014 A1	07-02-2002	NONE	
